

Fig. 2: Cultured endothelium from human saphenous vein during incubation with saline (solution 1)

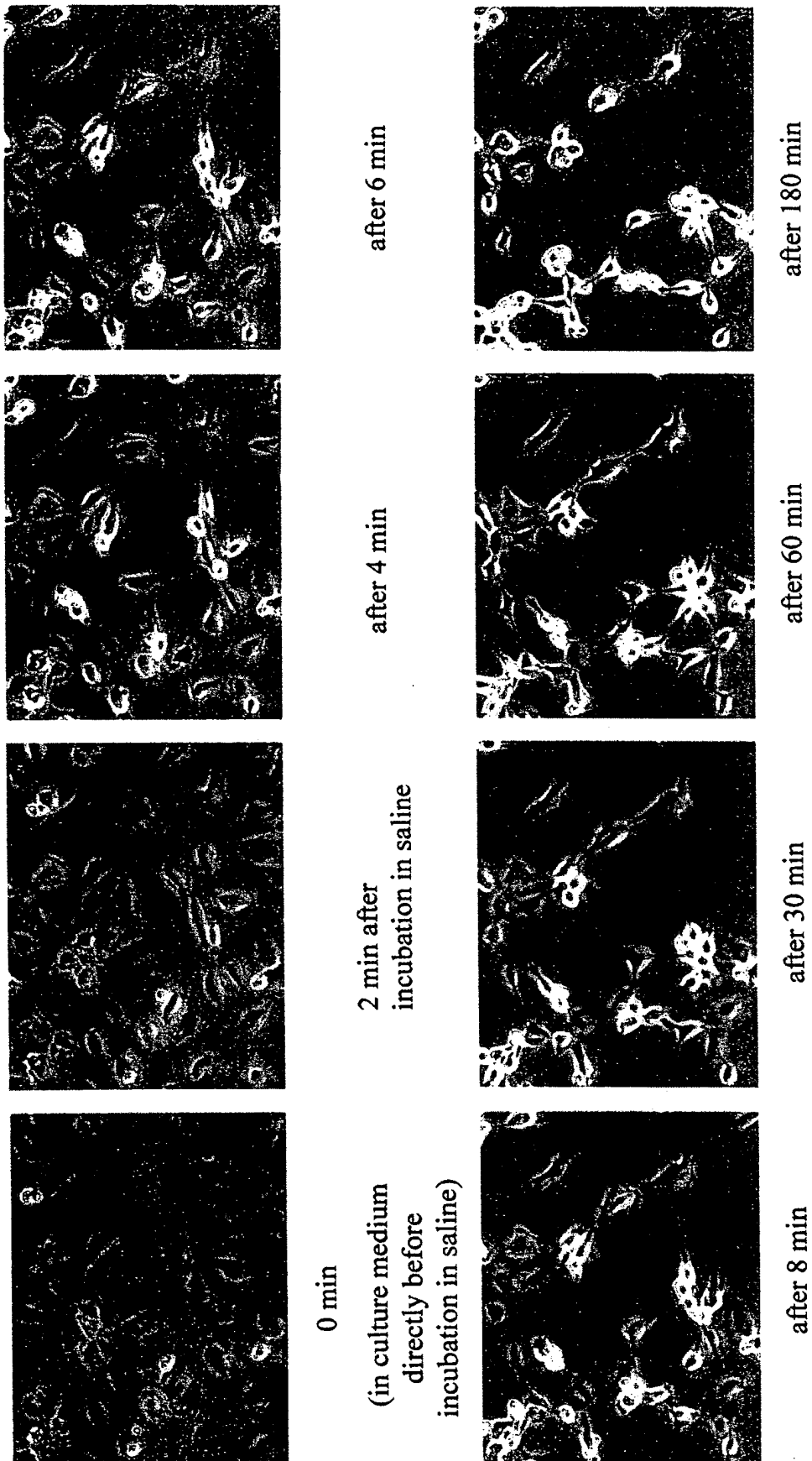
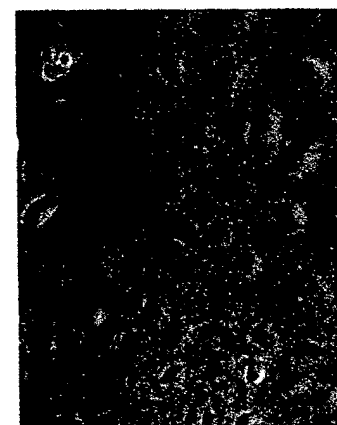
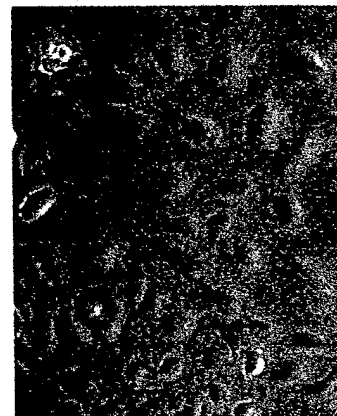
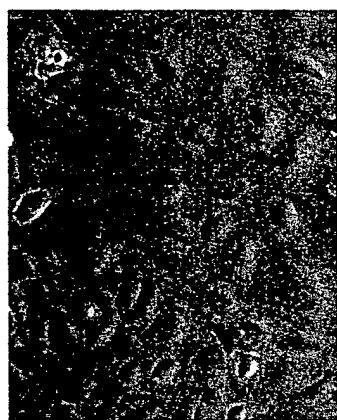


Fig. 3: Cultured endothelium (human saphenous vein) during incubation in solution 2



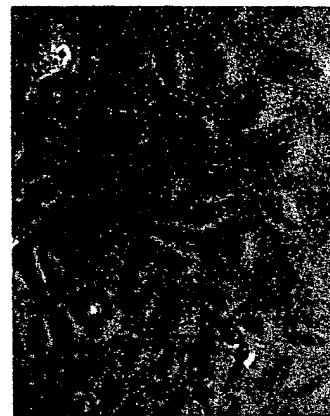
0 min

(in culture medium
directly before
incubation in saline)

2 min after incubation
in solution 2

after 4 min

after 6 min



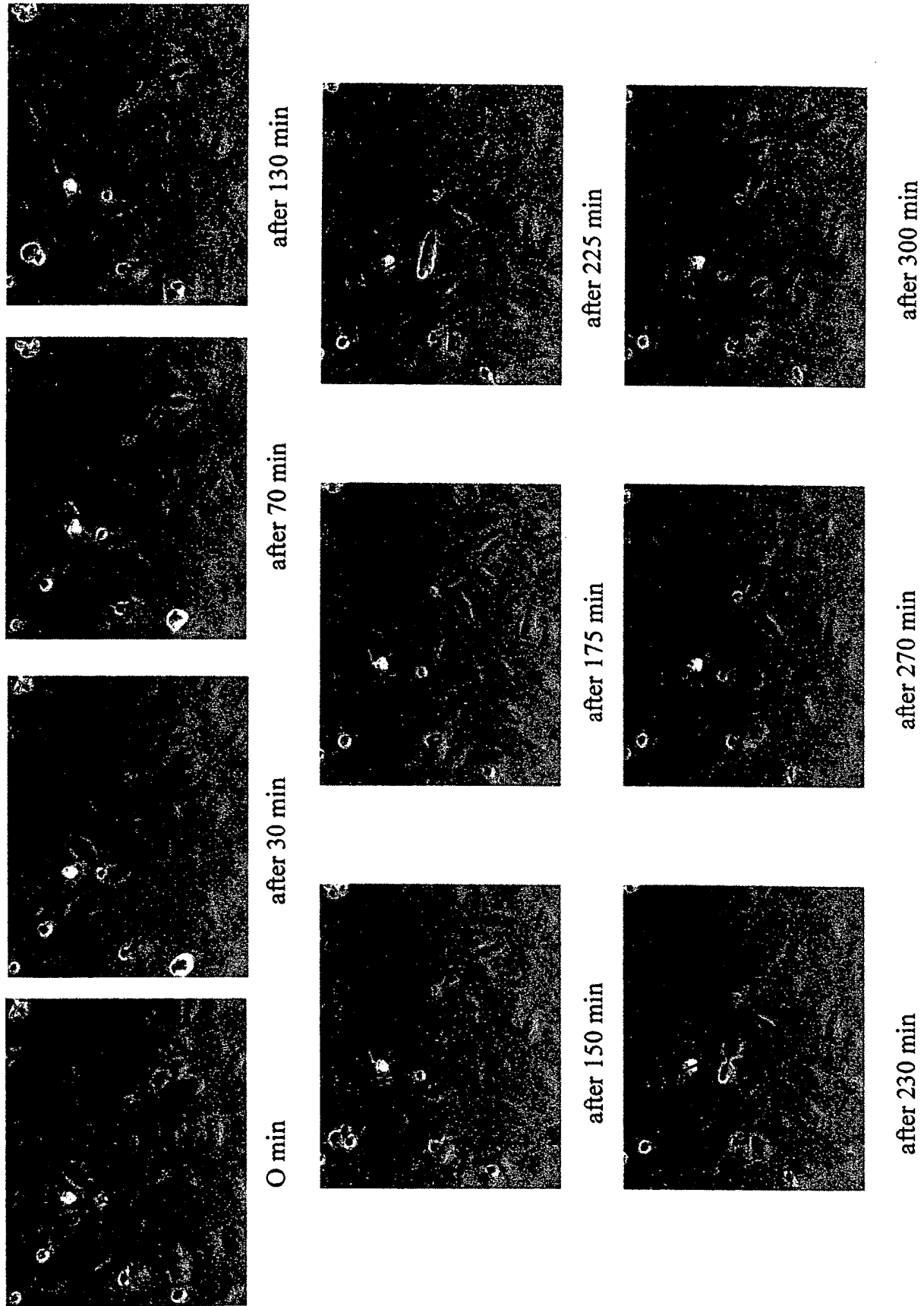
after 180 min (distinct opening
of clefts, see arrows!)

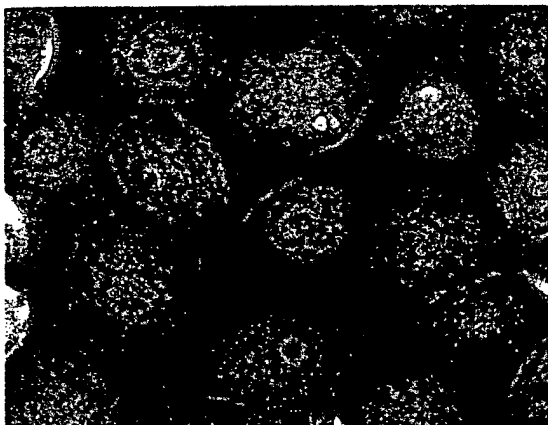
after 60 min

after 30 min

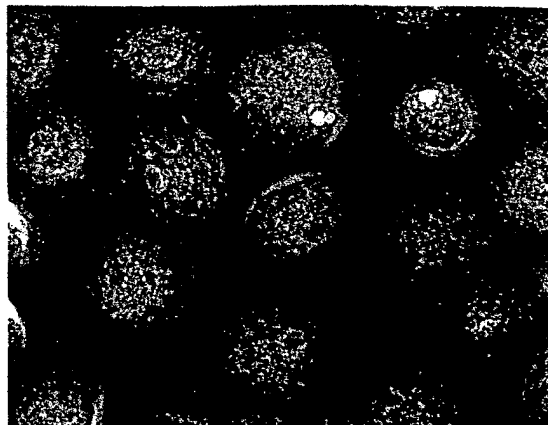
after 8 min

Fig. 4: Cultured endothelium (human saphenous vein) during incubation in solution 5

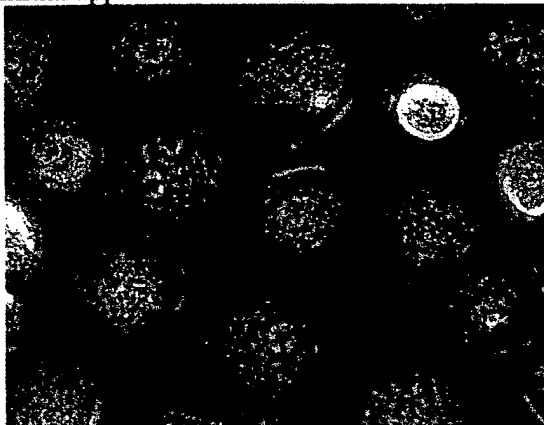




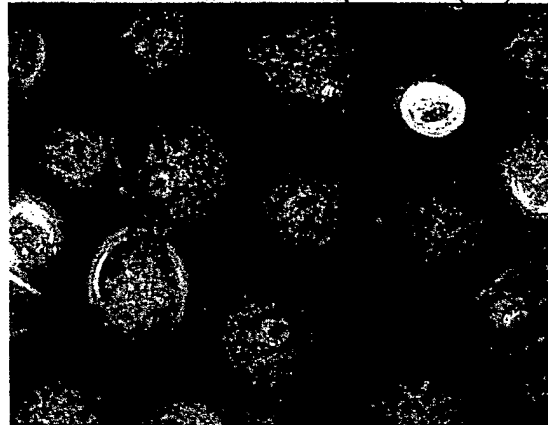
Initial appearance of culture



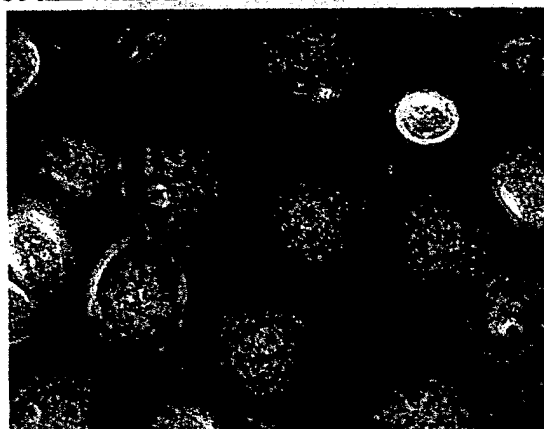
14 min contact with release products (RP)



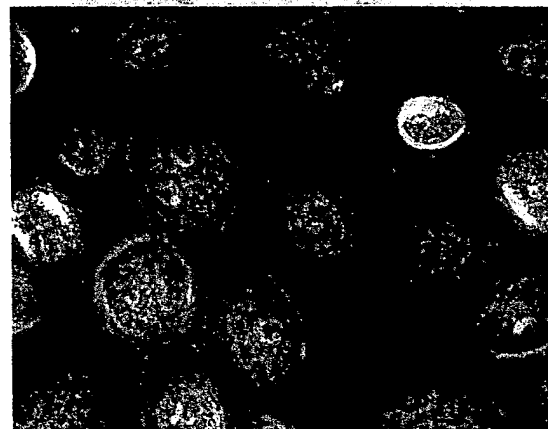
60 min with RP



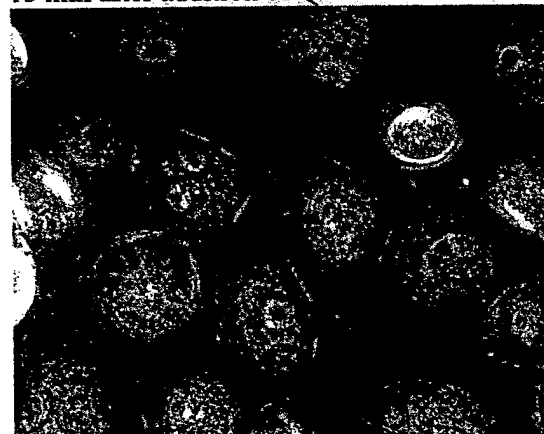
90 min with RP



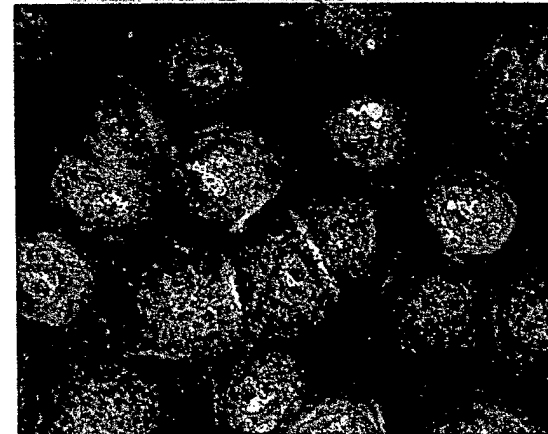
15 min after addition of Quercetin



45 min after addition of Quercetin



90 min after addition of Quercetin



4 h 30 min after addition of Quercetin

Fig.5: Cultured venular endothelial cells subjected to release products from activated platelets+polymorphonuclear leucocytes and subsequently also to quercetin

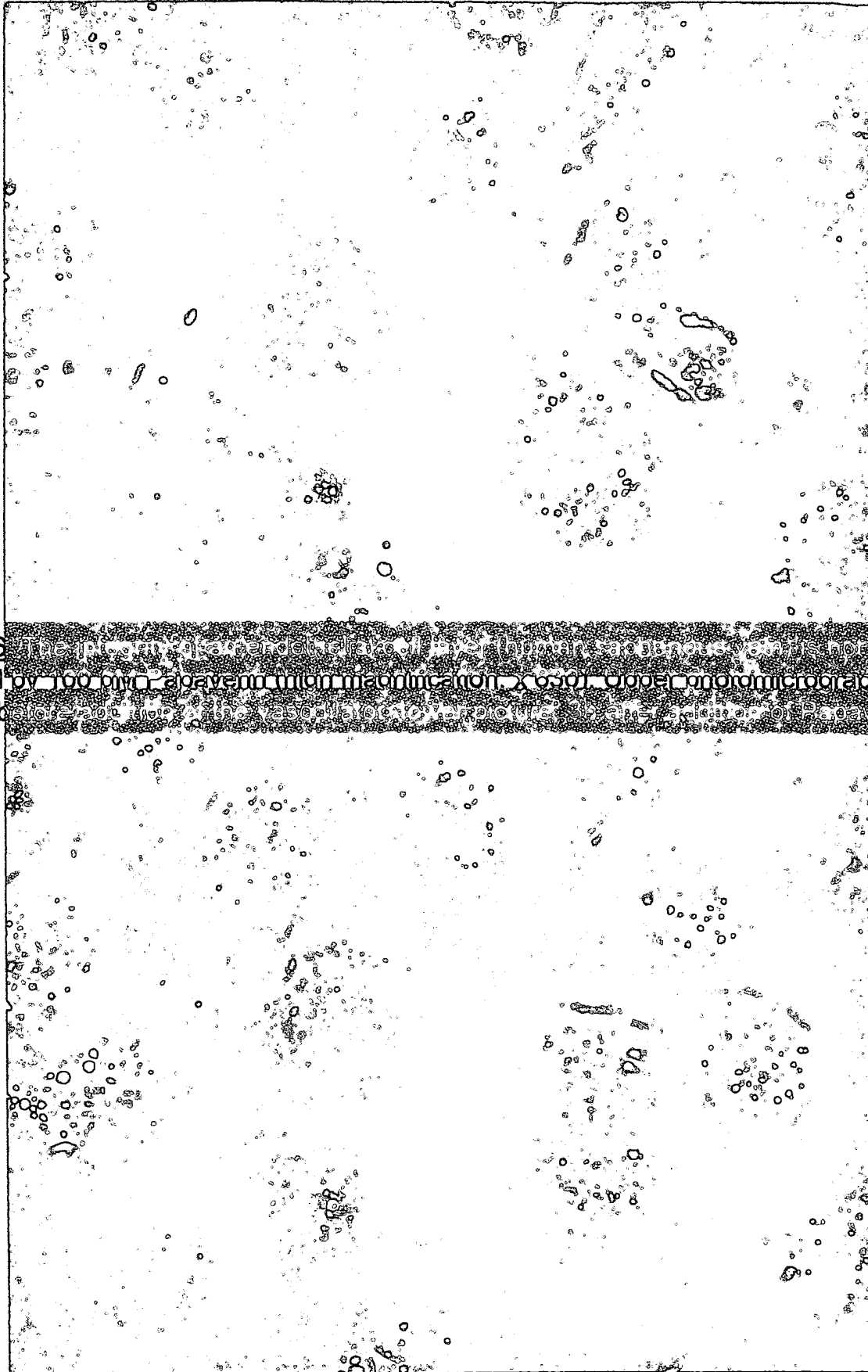
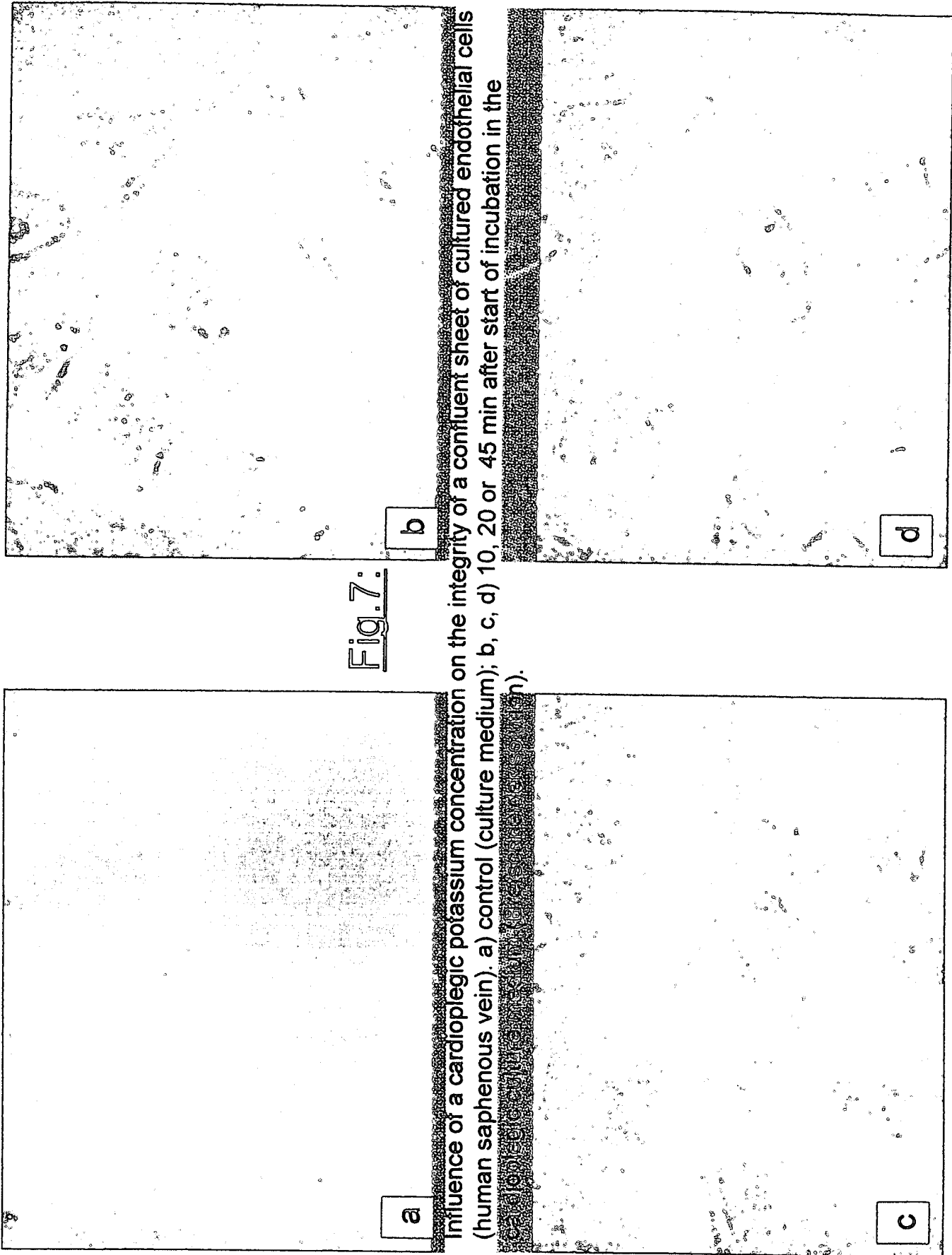
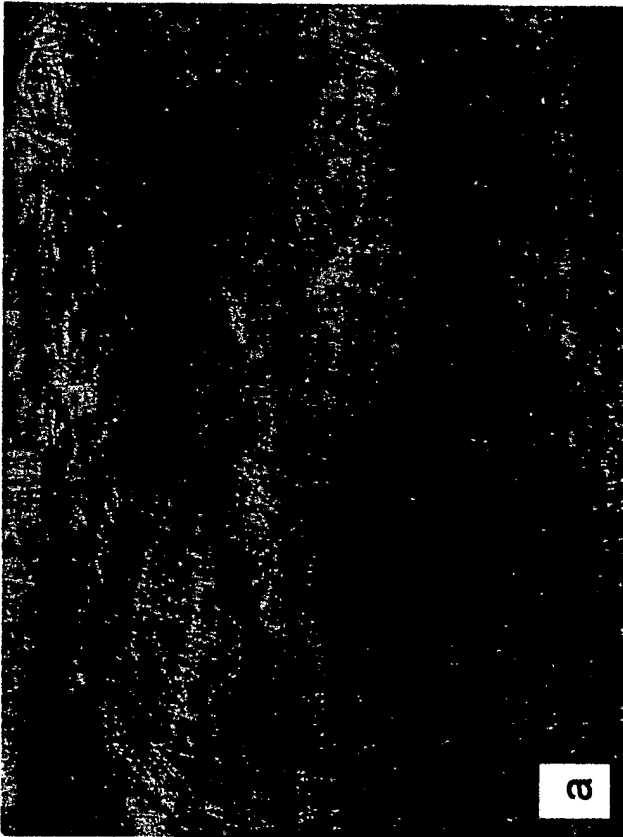


Fig.6 The integrity of the placental barrier (human sarbimide) is not destroyed by 100 mg/kg Papaverin in the placenta. X 6000. Upper micrograph: cell layer before 100 mg/kg of the vasodilator; lower picture: after 100 mg/kg of Papaverin.

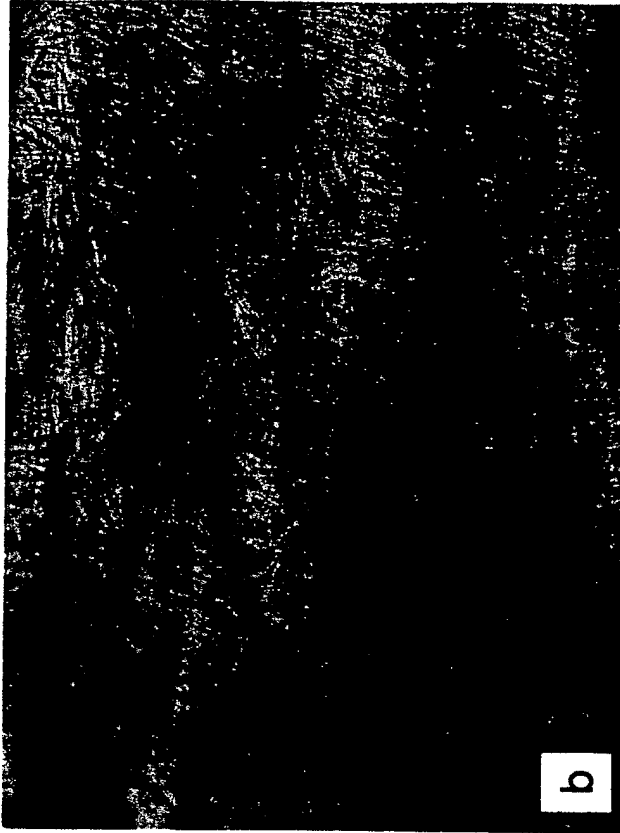
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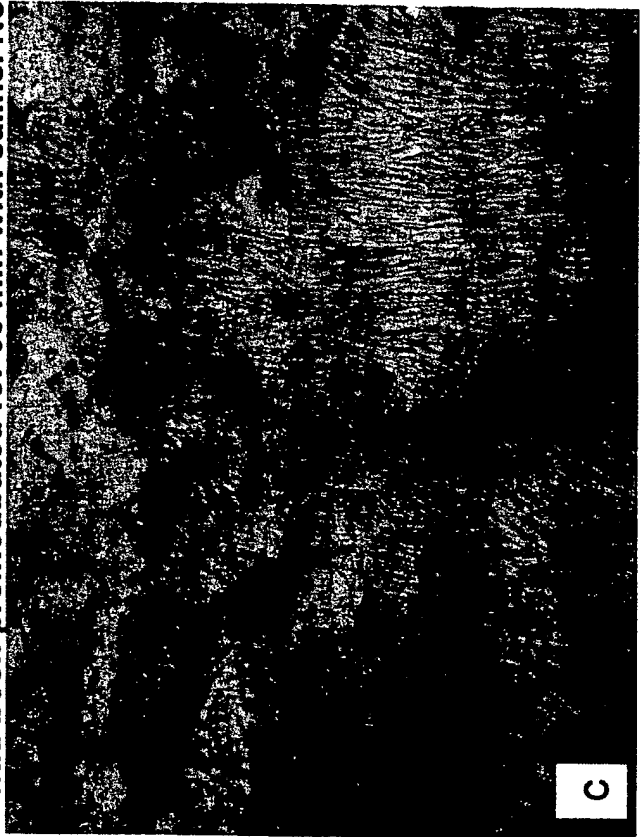


a

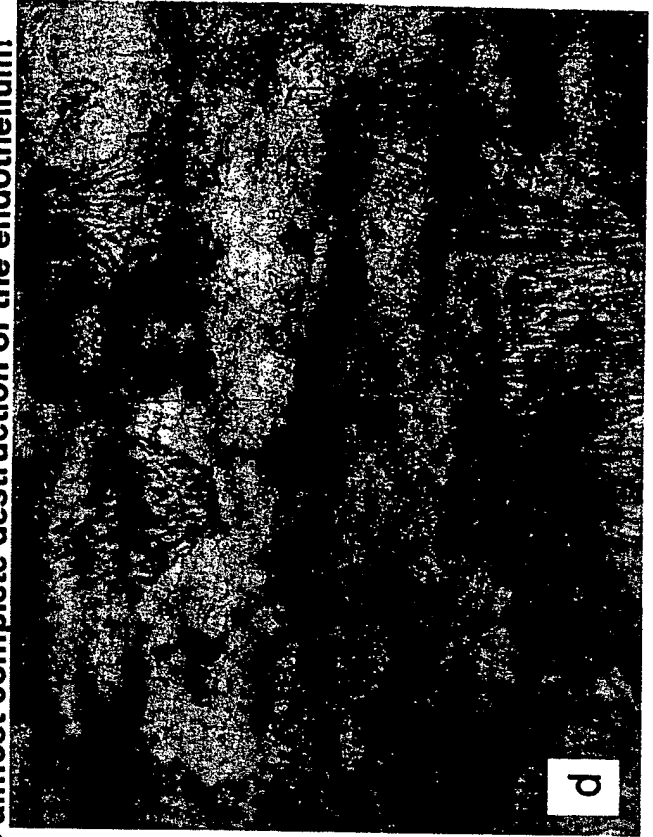


b

Fig.8: 4 consecutive photomicrographs of the luminal surface of a human saphenous vein (x100), which had been preincubated for 60 min with saline. Note the almost complete destruction of the endothelium!



c

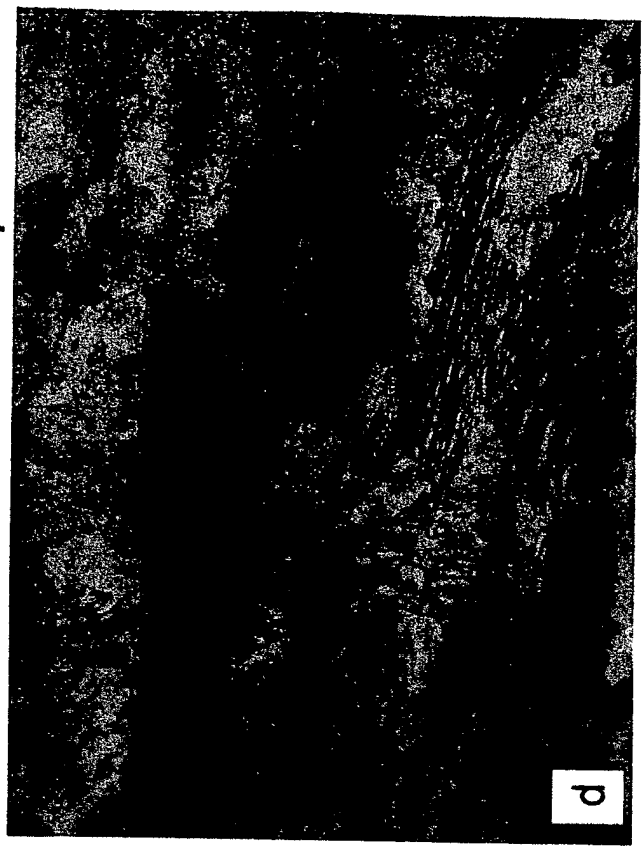


d

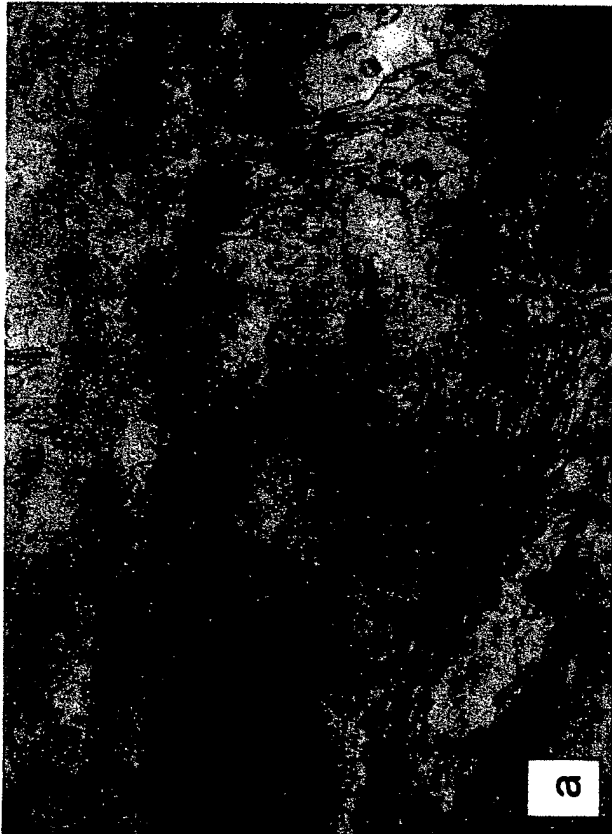
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a



b



c



d

Fig.9: 4 consecutive photomicrographs of the luminal surface of a human saphenous vein (x100), which had been preincubated for 60 min with Bretschneider solution. The endothelium is not well-preserved!

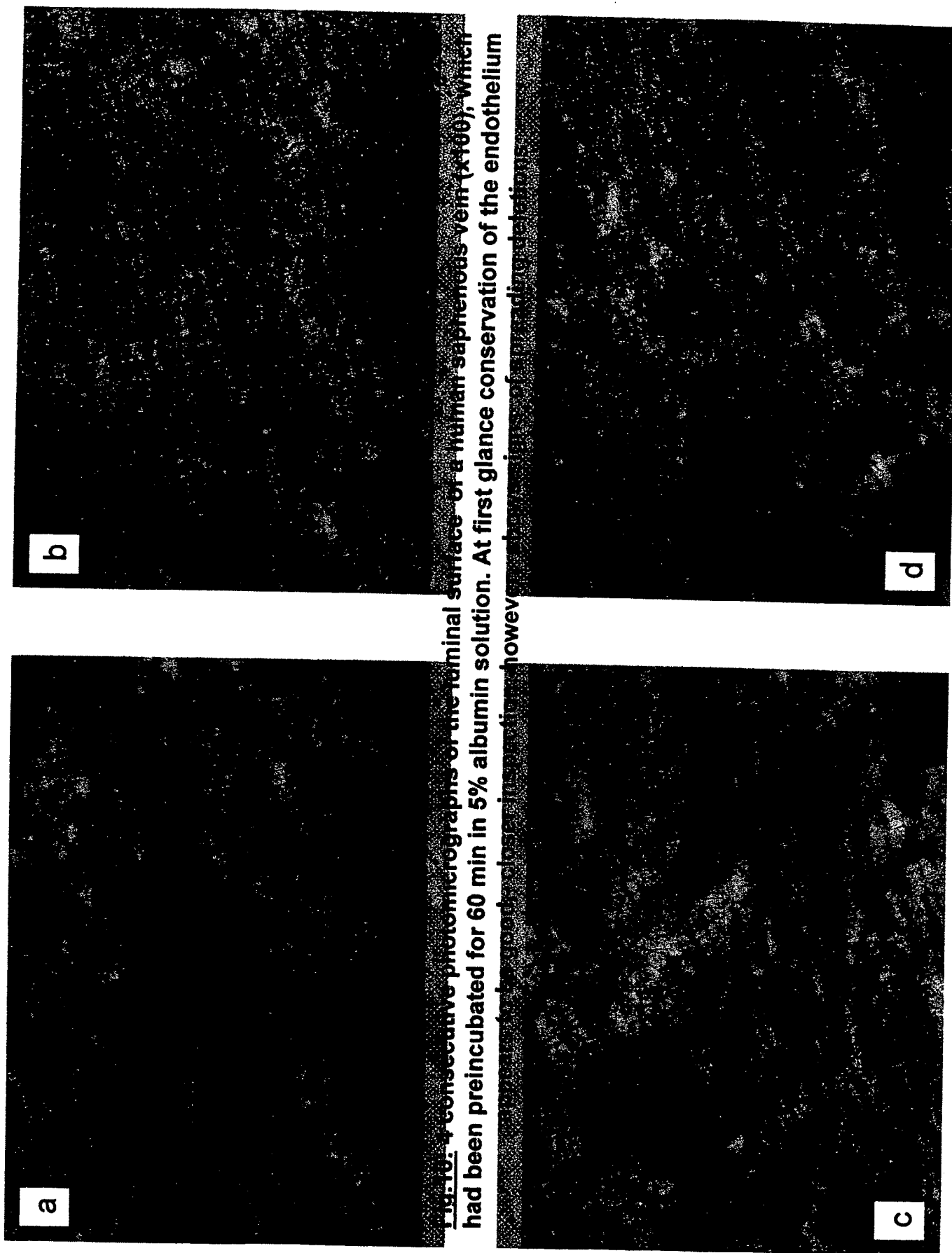


Fig. 10. 4 consecutive photomicrographs of the luminal surface of a human saphenous vein (x100), which had been preincubated for 60 min in 5% albumin solution. At first glance conservation of the endothelium appears to be good, closer inspection, however, shows signs of spreading relations.

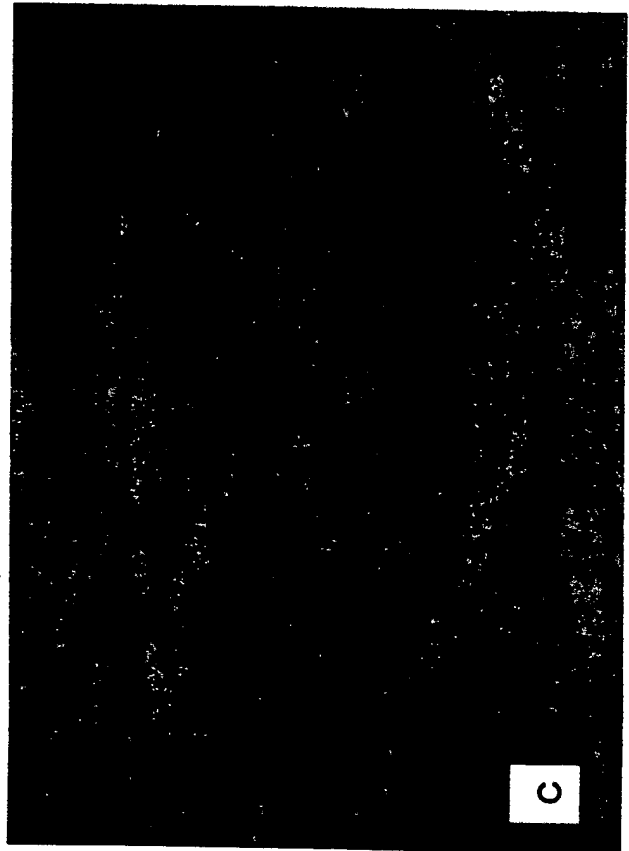
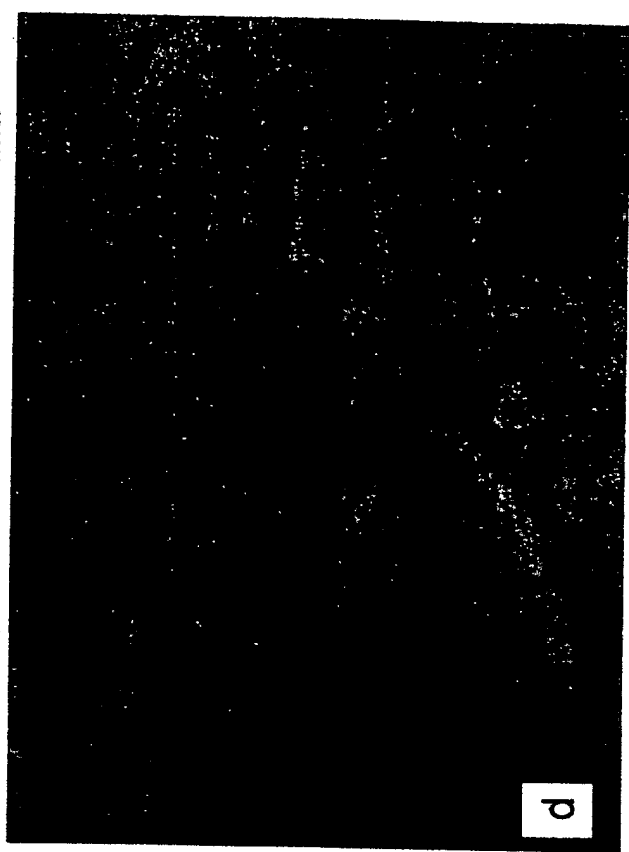
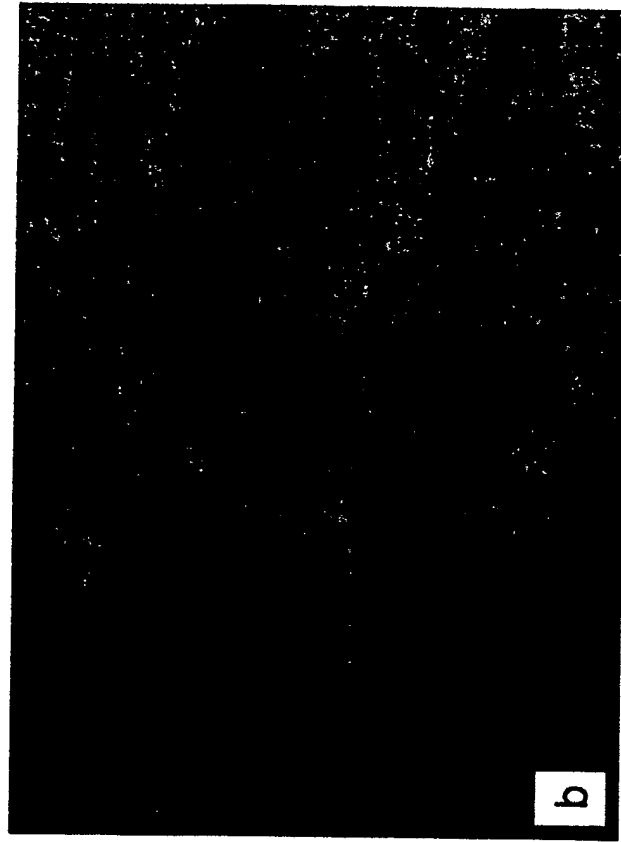


Fig.11: 4 consecutive photomicrographs of the luminal surface of a human saphenous vein (x100), which had been preincubated for 60 min in Biseko. Note the excellent preservation of the endothelium!